

AS

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/830,779

DATE: 08/30/2001

TIME: 06:21:19

Input Set : A:\Seq List 09-830779.txt

Output Set: N:\CRF3\08292001\I830779.raw

3 <110> APPLICANT: The Regents of the University of California
 4 Chien, Kenneth
 5 Dillmann, Wolfgang
 6 Minamisawa, Susanne
 7 He, Huaping
 8 Hoshijima, Masahiko
 9 Meyer, Markus
 10 Scott, Christopher
 11 Wang, Yibin
 12 Silverman, Gregg J.
 14 <120> TITLE OF INVENTION: METHOD FOR INHIBITION OF PHOSPHOLAMBAN ACTIVITY FOR THE
 TREATMENT OF
 15 CARDIAC DISEASE
 17 <130> FILE REFERENCE: 6627-PA9025
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/830,779
 C--> 19 <141> CURRENT FILING DATE: 2001-08-04
 19 <150> PRIOR APPLICATION NUMBER: 60/106,718
 20 <151> PRIOR FILING DATE: 1998-11-02
 22 <150> PRIOR APPLICATION NUMBER: PCT/US99/25692
 23 <151> PRIOR FILING DATE: 1999-11-02
 25 <160> NUMBER OF SEQ ID NOS: 19
 27 <170> SOFTWARE: PatentIn version 3.1
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 30 <211> LENGTH: 52
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
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 37 1 5 10 15
 40 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
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 48 Val Met Leu Leu
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 54 <212> TYPE: PRT
 55 <213> ORGANISM: Homo sapiens
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 63 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
 64 20 25 30
 67 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
 68 35 40 45
 71 Ala Met Leu Leu
 72 50

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86 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
87          20          25          30
90 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
91          35          40          45
94 Val Met Leu Leu
95          50
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 52
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 4
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106 1          5          10          15
109 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
110          20          25          30
113 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
114          35          40          45
117 Val Met Leu Leu
118          50
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122 <211> LENGTH: 52
123 <212> TYPE: PRT
124 <213> ORGANISM: Homo sapiens
126 <400> SEQUENCE: 5
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129 1          5          10          15
132 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
133          20          25          30
136 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
137          35          40          45
140 Val Met Leu Leu
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149 <400> SEQUENCE: 6
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152 1          5          10          15
155 Thr Ile Glu Met Pro Gln Gln Ala Arg Gln Lys Leu Gln Asn Leu Phe
156          20          25          30
159 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile

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160          35          40          45
163 Val Met Leu Leu
164          50
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179 <211> LENGTH: 16
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
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190 <211> LENGTH: 269
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194 <400> SEQUENCE: 9
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200 Ser Ser Val Ser Ala Asn Pro Gly Glu Thr Val Lys Ile Thr Cys Ser
201          20          25          30
204 Gly Gly Gly Asn Tyr Ala Gly Ser Tyr Tyr Tyr Gly Trp Phe Gln Gln
205          35          40          45
208 Lys Ser Pro Gly Ser Ala Pro Val Thr Val Ile Tyr Ser Asn Asp Gln
209          50          55          60
212 Arg Pro Ser Asn Ile Pro Ser Arg Phe Ser Gly Ser Thr Ser Gly Ser
213 65          70          75          80
216 Thr Ser Thr Leu Thr Ile Thr Gly Val Arg Ala Glu Asp Glu Ala Val
217          85          90          95
220 Tyr Phe Cys Gly Ser Asn Ser Gly Thr Gly Tyr Val Gly Ile Phe Gly
221          100          105          110
224 Ala Gly Thr Thr Leu Thr Val Leu Gly Gln Ser Ser Arg Ser Ser Thr
225          115          120          125
228 Val Thr Leu Asp Glu Ser Gly Gly Gly Leu Gln Thr Pro Gly Gly Ala
229          130          135          140
232 Leu Ser Leu Val Cys Arg Ala Ser Gly Phe Thr Phe Ser Arg Phe His
233 145          150          155          160
236 Met Met Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ala
237          165          170          175
240 Gly Ile Asp Asp Gly Gly Ser Phe Thr Leu Tyr Gly Ala Ala Val Lys
241          180          185          190
244 Gly Arg Ala Thr Ile Leu Arg Asp Asn Gly Gln Ser Thr Val Arg Leu
245          195          200          205
248 Gln Leu Asp Asn Leu Arg Pro Glu Asp Thr Ala Thr Tyr Phe Cys Val

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249      210      215      220
252 Lys Thr Lys Cys Gly Gly Asn Gly Trp Cys Gly Ala Asp Arg Ile Asp
253 225      230      235      240
256 Ala Trp Gly His Gly Thr Glu Val Ile Val Ser Ser Thr Ser Gly Gln
257      245      250      255
260 Ala Gly Gln Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser
261      260      265
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265 <211> LENGTH: 36
266 <212> TYPE: PRT
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 10
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275 Thr Ile Glu Met Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met
276      20      25      30
279 Lys Trp Lys Lys
280      35
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284 <211> LENGTH: 35
285 <212> TYPE: PRT
286 <213> ORGANISM: Homo sapiens
288 <400> SEQUENCE: 11
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294 Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Ser Thr
295      20      25      30
298 Ile Glu Met
299      35
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304 <212> TYPE: PRT
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 12
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310 1      5      10      15
313 Thr Ile Glu Met Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met
314      20      25      30
317 Lys Trp Lys Lys
318      35
321 <210> SEQ ID NO: 13
322 <211> LENGTH: 35
323 <212> TYPE: PRT
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 13
328 Gly Gly Gly Gly Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Met
329 1      5      10      15
332 Glu Lys Val Gln Tyr Leu Thr Arg Ser Ala Ile Arg Arg Ala Glu Thr
333      20      25      30

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336 Ile Glu Met
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341 <211> LENGTH: 16
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345 <400> SEQUENCE: 14
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348 1      5      10      15
351 <210> SEQ ID NO: 15
352 <211> LENGTH: 11
353 <212> TYPE: PRT
354 <213> ORGANISM: Human immunodeficiency virus
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363 <211> LENGTH: 61
364 <212> TYPE: PRT
365 <213> ORGANISM: Escherichia coli
367 <400> SEQUENCE: 16
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374      20      25      30
377 Pro Ser Ser Arg Ser Ala Ala Gly Thr Met Glu Phe Arg Gln Ile Lys
378      35      40      45
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386 <211> LENGTH: 79
387 <212> TYPE: PRT
388 <213> ORGANISM: Escherichia coli
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397      20      25      30
400 Ile Asn Phe Cys Leu Ile Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile
401      35      40      45
404 Val Met Leu Leu His His His His His His Lys Gly Glu Phe Arg Gln
405      50      55      60
408 Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys Ala
409 65      70      75
412 <210> SEQ ID NO: 18
413 <211> LENGTH: 79
414 <212> TYPE: PRT
415 <213> ORGANISM: Escherichia coli
417 <400> SEQUENCE: 18

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STATISTICS SUMMARY

PATENT APPLICATION: US/09/830,779

DATE: 08/30/2001

TIME: 06:21:20

Input Set : A:\Seq List 09-830779.txt

Output Set: N:\CRF3\08292001\I830779.raw

Application Serial Number: US/09/830,779

Alpha or Numeric: Numeric

Application Class:

Application File Date: 08-04-2001

Art Unit: PCT09

Software Application: PatentIn

Total Number of Sequences: 19

Total Nucleotides: 0

Total Amino Acids: 1080

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 2

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

271 C: 1 (Current Filing Date differs)